

A Contribution to the Knowledge of the Flora of Nippon.

(Continued from p. 29.)

By Tomitaro Makino, Sc. D.

***Oryza sativa* L. var. *terrestris* MAKINO, nov. var.**

Leaves broader, 12-25 mm. in width. Husk awned or awnless.

Nom. Nipp. *Okabo*.

Hab. NIPPON, common, cultivated in dry fields.

***Stizolobium pruriens* (L.) MEDIC. var. *Hassjoo* (PIPER ET TRACY)**
MAKINO, nov. comb.

Stizolobium Hassjoo PIPER ET TRACY; BAILEY, Stand. Cycl. Hort. VI. p. 3243, et Man. Cult. Pl. p. 400.

Mucuna capitata Miq. Prol. Fl. Jap. p. 239; FRANCH. ET SAV. Enum. Pl. Jap. I. p. 109, non WIGHT ET ARN.

Nom. Nipp. *Hasshō-mame*, *Osharaku-mame*.

Hab. NIPPON, sometimes cultivated.

***Hydrangea amagiana* MAKINO, nov. sp.**

A small deciduous shrub, attaining about 1 m. in height, ramose; branches opposite, terete, smooth, glabrous but usually thinly pubescent with antrorsely appressed pale hairs in those of this year, dark-purple or viridescent-purple, with a large white pith. Leaves opposite, petiolate, elliptical, oblong-ovate, oval, or obovate, moderately or shortly acuminate at the apex, obtuse or acutish at the base, or cuneate below, coarsely serrato-dentate with mucronate-tipped deltoid teeth excepting the basal margins, membranaceous, green and thinly pubescent but more densely so on the midrib above, paler and pubescent on the venation beneath, 2½-7 cm. long, 1-4½ cm. wide; midrib slender, prominent beneath; veins lax, 3-5 on each side, delicate, erect-patent, arcuate upwards, densely pubescent in the axil with the midrib; veinlets loose; petiole 4-10 mm. long, canaliculated in front, pubescent, viridescent or dark-purple. Cyme corymbose, terminating the branchlets of this year, 1½-5½ cm. across, shortly stipitate or sessile, ramose with patulous or erect-patent main branches, without any ornamental flower; main peduncle and branches gracile and pubescent with antrorsely appressed arcuate pale hairs. Flowers numerous, small, pedicellate, 5-7 mm. across. Sepals 5, minute, patent, depressed-deltoid, glabrous, viridescent, 1-nerved. Petals 5, patent, elliptical, acutish at the apex, cuneate at the base, entire, white or bluish-white, about 2½-3 mm. long. Stamens 10; filament filiform, 2-2½ mm. long, usually bluish or white; anther elliptical, yellow. Ovary semi-superior, the inferior portion under the calyx shortly oboconical, glabrous, ⅓ mm. long; the superior portion white and

depressed-conical; styles 3, stout, erect-patent, curved backward, 1½-2 mm. long; stigma thickish. Capsule small, shortly obconical below, costate longitudinally, with the persistent sepals and styles above.

Nom. Nipp. *Amagi-koadzisai* (nov.).

Hab. Prov. IDZU: Mt. Amagi (T. MAKINO!).

This species may be a hybrid between *Hydrangea hirta* SIEB. ET ZUCC. and *H. virens* SIEB. ET ZUCC.

***Arisaema iyoanum* MAKINO, nov. sp.**

A dioecious perennial; corm subterranean, depressed-globose, with a few lateral sessile subulate bulbils, issuing the long dense white fibrous roots around the upper sides. Pseudo-stem solitary, erect, terete, glabrous, smooth, purplish, striately white-maculate, monophyllous. Petiole long, erect-patent, terete, glabrous, purplish, striately white-maculate, the basal throat alato-margined. Leaves pedate; leaflets about 9-11, flabellate; rachis divaricata, flexuous, longitudinally acutely or very narrowly sub-ately one-angulate; the middle leaflet largest and petioled, sessile in the lateral ones, lanceolate, acuminate at the apex, cuneate at the base, entire or serrulated, glabrous, herbaceous, shining beneath; midrib prominent beneath; veins many, erect-patent, connate above in the interior of margins. Peduncle (exposed portion) short, terete, smooth, with many longitudinal greenish-pale veins and purplish between them. Spathe glabrous; tube compressed antroposteriorly, about 4½-5 cm. or more long, acutely continuous to the peduncle and white at the base, pale but greenish below, purplish-veined longitudinally and purplish-maculated stained externally, shining internally and purple on its basal portion, thickly membranaceous; limb longer than the tube, about 7½-9 cm. long, fornicate, thickly membranaceous, ovato-subulate, acuminate-acute at the apex, entire, rounded and subtranslucent at the revolute broadest (about 3½ cm. across) base, light green or virid-purpurascens, prominently many-veined longitudinally dorsally, with a marginal vein near the margin, the venation and colour of the basal portion similar to those of the tube. Spadix slightly exserted upon the throat, erect; appendix narrowly cylindrical, rounded at the apex, more or less shortly enlarged and suddenly truncate at the base, pale above and greenish below, purple-spotted (colour deeper towards the base), about 4 mm. long, 3-3½ mm. across; rachis about 1½ cm. long, gradually attenuated above, purple but purple-striate in the upper free portion from the flowers. Male flowers numerous, rather laxly scattered, conically prominent, pale; anthers 4, rounded, violet-purple; pollen white. Ovaries many, green.

Nom. Nipp. *Omogō-tennanshō* (nov.).

Hab. Prov. IYO in Shikoku: Omogō (T. MAKINO!).

var. *viridescens* MAKINO, nov. var.

Petiole light green, white-striate-maculate. Spathe: limb bright light green; tube white, but light greenish towards the base. Spadix greenish; appendix white, greenish below, immaculate.

Nom. Nipp. *Ao-omogō-tennanshō* (nov.).

Hab. Prov. IYO: Omogō (T. MAKINO!).

(To be continued.)